

Title (en)
ANCHOR MODULE FOR ANCHORING TO A CASING, A CASING PLUG ASSEMBLY AND A METHOD FOR SETTING TWO CASING PLUGS IN ONE RUN

Title (de)
ANKERMODUL ZUR VERANKERUNG AN EINER HÜLLE, GEHÄUSESTOPFENANORDNUNG UND VERFAHREN ZUM EINSTELLEN VON ZWEI GEHÄUSESTOPFEN IN EINEM DURCHGANG

Title (fr)
MODULE D'ANCRAGE DESTINÉ À ÊTRE ANCRÉ À UN BOÎTIER, ENSEMBLE BOUCHON DE BOÎTIER ET PROCÉDÉ DE RÉGLAGE DE DEUX BOUCHONS DE BOÎTIER EN UNE SEULE FOIS

Publication
EP 3607169 B1 20201216 (EN)

Application
EP 18700124 A 20180109

Priority
• NO 20170594 A 20170407
• EP 2018050418 W 20180109

Abstract (en)
[origin: WO2018184742A1] The present invention relates to an anchor module (50) for anchoring to a casing (C), comprising: an inner mandrel (51) having a through bore (52); a slips device (70), upper and lower slips supports (71, 72) for supporting the slips device (70) in a run state and a set state. A spring device (73) is provided radially outside of the inner mandrel (51), where the slips device (70) is biased to its run state by means of the spring device (73). A fluid actuation system (60) is configured to counteract the biasing force provided by the spring device (73). The fluid actuation system (60) comprises a lower piston (62) axially displaceable within a lower fluid chamber (64), where a lower fluid line (66) is provided between the bore (52) and the lower fluid chamber (64), where the lower piston (62) is a part of or is connected to the lower slips device (72). The fluid actuation system (60) further comprises an upper piston (63) axially displaceable within an upper fluid chamber (65), where an upper fluid line (67) is provided between the bore (52) and the upper fluid chamber (65), where the upper piston (63) is connected to the lower slips device (72). The fluid actuation system (60) further comprises a fluid restriction (68) provided in the bore (52), where a cross sectional area (A67) of the fluid bore (52) at the entrance (67a) of the upper fluid line (67) is smaller than the cross sectional area (A66) of the fluid bore (52) at the entrance (66a) of the lower fluid line (66).

IPC 8 full level
E21B 23/01 (2006.01); **E21B 33/128** (2006.01); **E21B 33/129** (2006.01)

CPC (source: EP NO US)
E21B 23/01 (2013.01 - EP NO US); **E21B 23/04** (2013.01 - US); **E21B 33/128** (2013.01 - EP); **E21B 33/1285** (2013.01 - NO US); **E21B 33/129** (2013.01 - EP); **E21B 33/1293** (2013.01 - NO US); **E21B 33/1295** (2013.01 - NO US); **E21B 33/134** (2013.01 - NO US)

Cited by
WO2022164621A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2018184742 A1 20181011; BR 112019020918 A2 20200428; DK 3607169 T3 20210315; EP 3607169 A1 20200212; EP 3607169 B1 20201216; MX 2019012023 A 20191111; NO 20170594 A1 20181008; NO 343491 B1 20190325; US 11035188 B2 20210615; US 2020088001 A1 20200319

DOCDB simple family (application)
EP 2018050418 W 20180109; BR 112019020918 A 20180109; DK 18700124 T 20180109; EP 18700124 A 20180109; MX 2019012023 A 20180109; NO 20170594 A 20170407; US 201816494481 A 20180109